

**What is claimed is:**

1. A broadcast receiving system with a function of on-screen displaying a channel information on a display device comprising, an input device for inputting an operation instruction to the system, a receiver for receiving coded digital/analog broadcasting signals originated from a broadcasting station, a digital/analog decoder for decoding the digital/analog broadcasting signals received by the receiver and outputting them to an image-displaying display device connected to the system, a memory for storing the channel information included in the broadcasting signals decoded by the digital decoder, an on-screen display (hereinafter abbreviated as OSD) output circuit for making the display device to display a predetermined OSD, and a control unit for controlling the system, wherein the device receives digital broadcasting signals including one or a plurality of sub-channels for transmitting contents for one channel; characterized in that,

the control unit controls the system such that;

the receiver receives the broadcasting signals of a specified channel when the power switch of the system is closed, or in response to a channel change instruction inputted by the input device,

the digital decoder decodes these broadcasting signals for analyzing the channel information from the decoded signals and for obtaining the channel information,

the memory stores the information as storage data,

the display device displays a channel selection display

consisting of a list of the channel information including at least the channel specified by the user, digital/analog identification, and broadcasting contents in response to an instruction for displaying the channel selection display by the user,

wherein the channel information includes the sub-channel number given a predetermined descriptor, when the channel information has not been analyzed and obtained in the current operation, and thus the sub-channel number cannot be designated based on the storage data stored in the memory.

2. A broadcast receiving system with a function of on-screen displaying a channel information on a display device comprising, an input device for inputting an operation instruction to the system, a receiver for receiving coded digital broadcasting signals originated from a broadcasting station, a digital decoder for decoding the digital broadcasting signals received by the receiver and outputting them to an image-displaying display device connected to the system, a memory for storing the channel information included in the broadcasting signals decoded by the digital decoder, an on-screen display (hereinafter described as OSD) output circuit for making the display device to display a predetermined OSD, and a control unit for controlling the system, wherein the device receives digital broadcasting signals including one or a plurality of sub-channels for transmitting contents for one channel; characterized in that,

the control unit controls the system such that;

the display device displays a list of the channel information

including at least the channel specified by the user, in response to a predetermined instruction by the user, wherein the channel information includes the sub-channel number given a predetermined descriptor when the sub-channel number cannot be designated.

3. The broadcast receiving system with a function of on-screen displaying the channel information according to claim 2,

wherein the control unit controls the system such that the receiver receives the broadcasting signals of a specified channel when the power switch of the system is closed and a channel change instruction is inputted by the input device, thereafter the digital decoder decodes these broadcasting signals for analyzing the channel information from the decoded signals and for obtaining the channel information, and the memory stores the information as storage data.